

FINAL SPECIFICATION

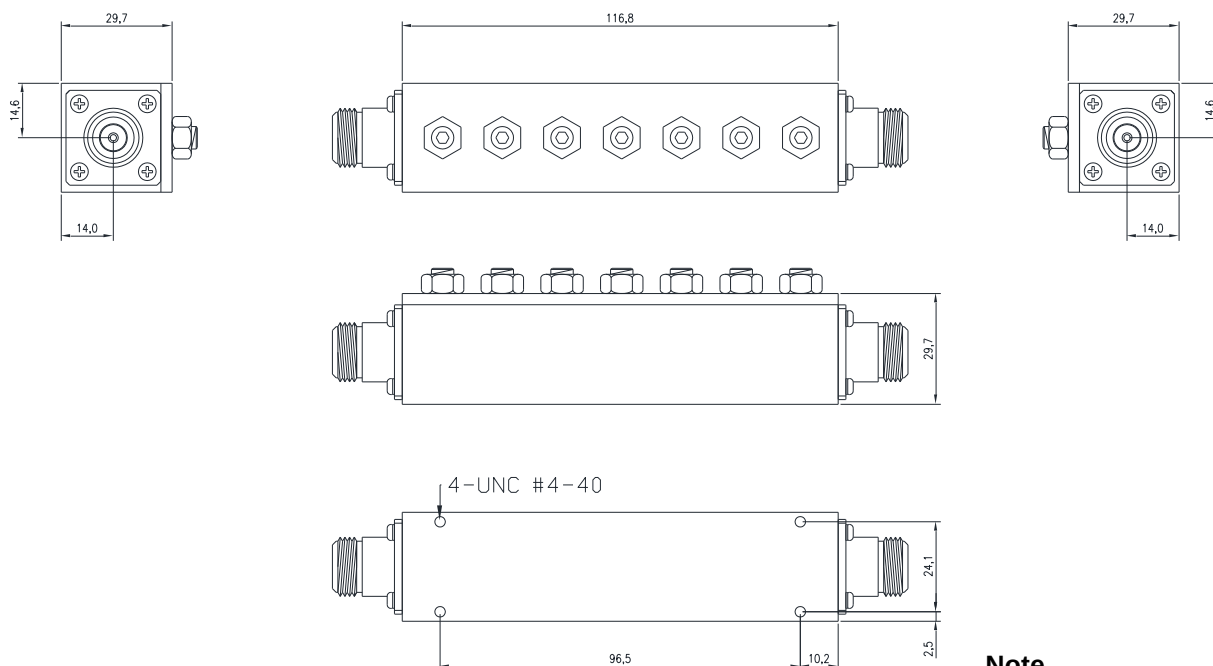
**Product Name :Cavity Band Pass Filter**

**Part No : MBP-C1060\_200MN-A**

| . | Rev. No. | Description                                                                                                                                                                                                                                                                           | Date       | Author         | Final Approver |
|---|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------------|
| 1 | A        | Draft                                                                                                                                                                                                                                                                                 | 2020.11.25 | Lee Seung Moon | Michael Jeon   |
| 2 | -        | Added sample data                                                                                                                                                                                                                                                                     | 2021.03.10 | Lee Seung Moon | Michael Jeon   |
| 3 | -        | 1.Has changed insertion loss specification from 0.5dB to 0.6dB max.<br>2.Has changed attenuation value from 40dBc@760-860MHz to 38dBc@760-860MHz<br>3. Has changed attenuation value from 70dBc@up to 6500MHz to 45dBc@up to 6500MHz<br>Note: Yossi Bechor confirmed on 19/March/2021 | 2021.03.19 | Lee Seung Moon | Michael Jeon   |
|   |          |                                                                                                                                                                                                                                                                                       |            |                |                |

## PRODUCT SPECIFICATION FOR INFORMATION

### ■ Mechanical Drawing



#### Note

1.Connector : N(F)

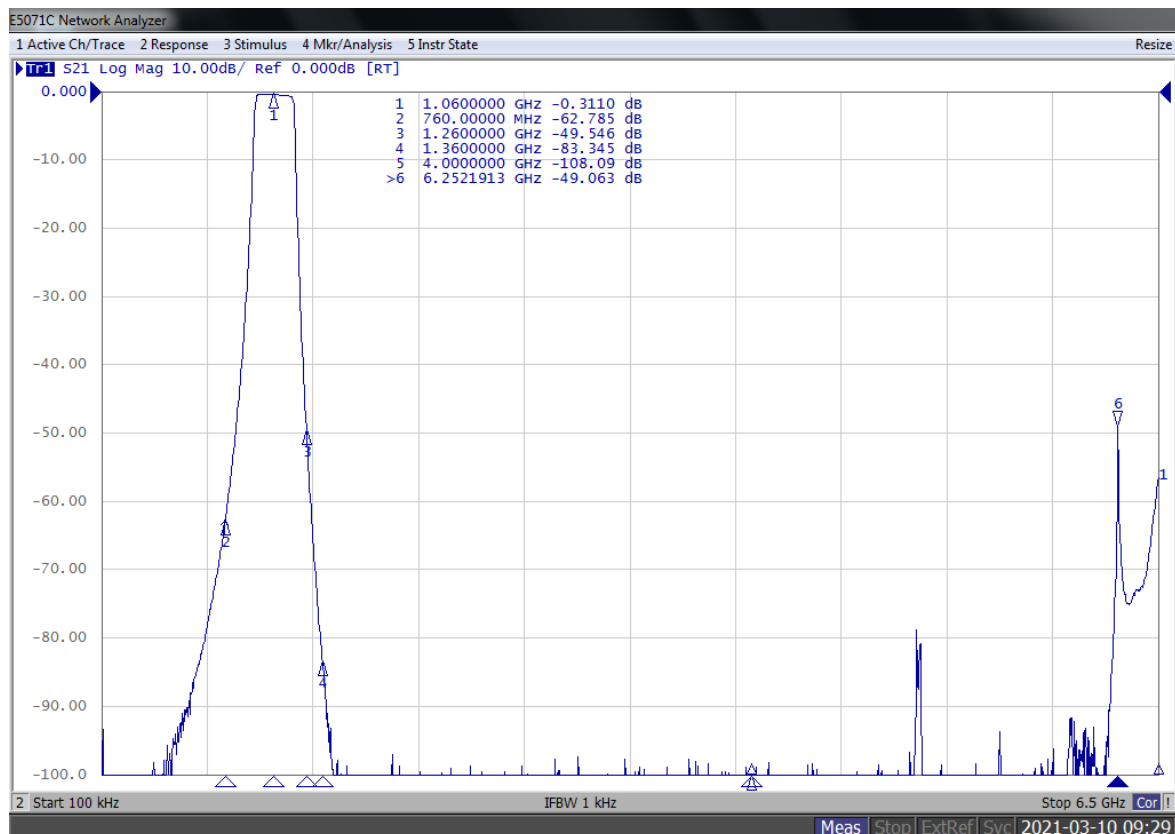
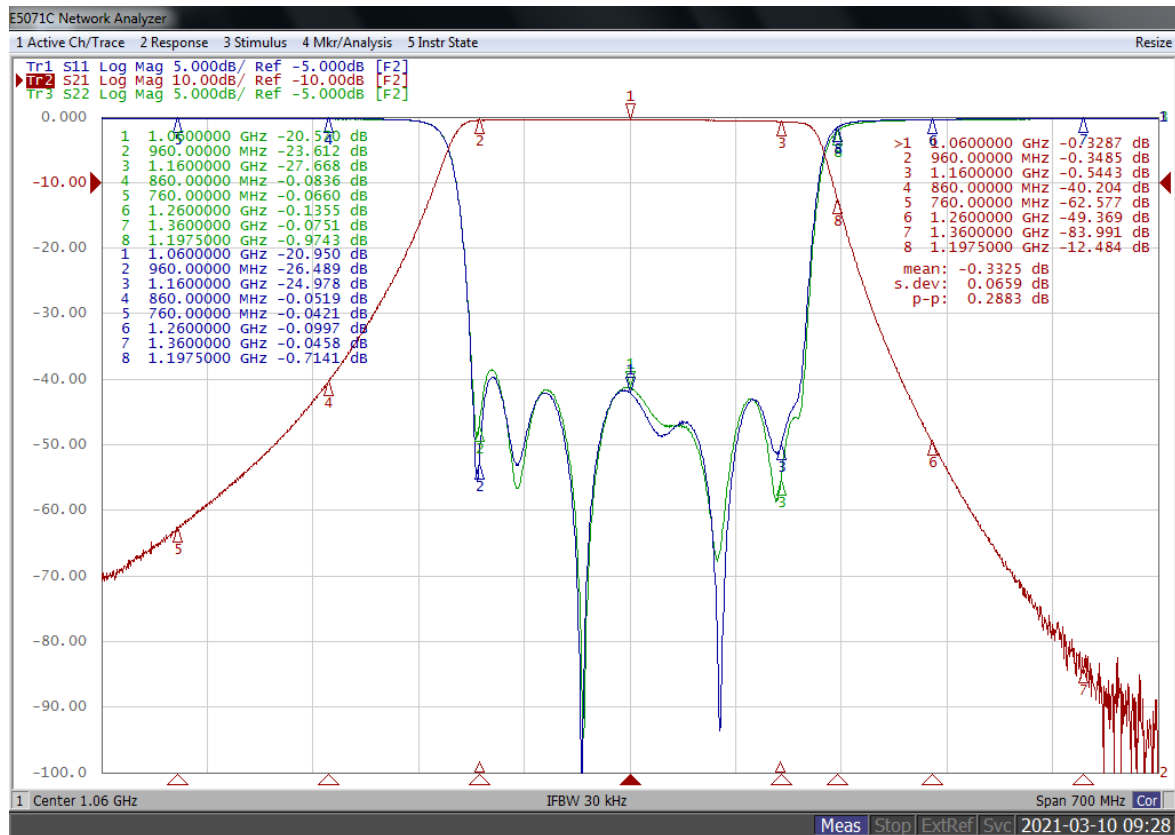
2 Finish : Black epoxy

### ■ Electrical Specification

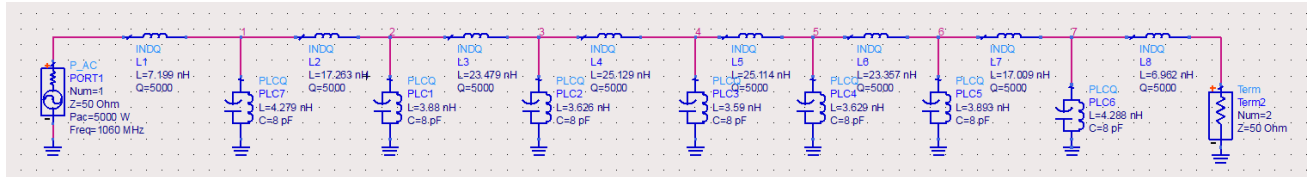
| Item                               | Specification                        | Remark |
|------------------------------------|--------------------------------------|--------|
| 1. Center Frequency                | 1060MHz                              |        |
| 2. Pass Band Frequency             | C.F $\pm$ 100MHz [960~1160MHz]       |        |
| 3. Insertion Loss                  | 0.6dB Max.                           |        |
| 4. Ripple                          | 0.4dB Max.                           |        |
| 5. Pass Band Return Loss (S11/S22) | 15dB Min.                            |        |
| 6. Rejection                       | 60dBc Min @ DC-760MHz                |        |
|                                    | 38dBc Min @ 760-860MHz               |        |
|                                    | 40dBc Min @ 1260-1360MHz             |        |
|                                    | 60dBc Min @ 1360-4000MHz             |        |
|                                    | 45dBc Min @ UP TO 6500MHz            |        |
| 7. In/Out Impedance                | 50 $\Omega$                          |        |
| 8. Input Power                     | Avg. 500 W max.                      |        |
| 9. Operation Temperature Range     | -40 $^{\circ}$ C to +85 $^{\circ}$ C |        |

\* Remarks: Preliminary datasheet is just for reference. Final datasheet is subject to the performance of samples.

## ■ Test Curve



## ■ Schematic



## ■ Simulation for power test

